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(54) Title: LIPOSOMAL VECTORS

(57) Abstract: The present invention provides for liposomal vectors which inhibit inflammation and/or enhance expression of transferred genes. It is based, at least in part, of the discovery that vectors comprising a nucleic acid carrying a gene of interest and a cationic liposome containing an immunosuppressive agent induce lower levels of inflammatory cytokine relative to conventional lipoplex vectors, as well as on the discovery that a component may be incorporated into the liposome which enhances expression of the gene of interest.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: A61K 31/70(2006.01);A01N 43/04(2006.01) USPC: 514/44 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 514/44 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE, BIOSIS, CAPLUS, EMBASE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WHITMORE et al. lipopolyplex initiates a potent cytokine response and inhibits tumor growth. Gene Therapy.1999. pgs.1867-75.	1-5, 12-16, 20, 27, 29, 30, 32, 33 -----
Y	TEGEDER et al.. Cyclooxygenase-independent actions of cyclooxygenase inhibitors. FASEB J. 2001, pgs. 2057-72.	6-11, 17-19, 28, 31, 34 6-11, 17-19, 28, 31, 34
Y	KAGOSHIMA et al.. Glucocorticoid suppression of nuclear factor-kappa B: a role for histone modifications. Biochemical Society Transactions. 2003, Vol. 31. pgs. 60-5.	6-11, 17-19, 28, 31, 34
Y	CHOI et al Anti-inflammatory effects of fangchinoline and tetrandrine. Journal of Ethnopharmacology. 2000. pgs.173-9.	6-11, 17-19, 28, 31, 34
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